

STEREO MOC Status Report
Time Period: 2014:020 - 2014:026

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 022, during the DSS-55 support, turbo decoder lock was lost briefly at 1111z. This anomaly resulted in the loss of one frame of SSR data.
- On day 026, during the DSS-55 support, initial telemetry lock was established 10 minutes late at 0815z due to an antenna pointing problem. No science data loss resulted from this outage. See DR M107711 for more information. Later, turbo decoder lock was lost briefly at 0847z. This anomaly resulted in the loss of 139 frames of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 021, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 2013z for 3.8 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 022, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0000z for 10.6 hours.

IMPACT (Part 15) reached 95% full at 1004z for 0.7 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 023, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0115z for 11.2 hours.

SWAVES (Part 13) reached 100% full at 2021z for 3.7 hours.

IMPACT (Part 15) reached 95% full at 0148z for 11.0 hours.

IMPACT (Part 15) reached 95% full at 2132z for 2.5 hours.

PLASTIC (Part 17) reached 95% full at 0520z for 7.3 hours.

PLASTIC (Part 17) reached 95% full at 2058z for 3.0 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 024, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0000z for 10.5 hours.

IMPACT (Part 15) reached 95% full at 0000z for 10.8 hours.

PLASTIC (Part 17) reached 95% full at 0000z for 10.6 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 025, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0142z for 7.8 hours.

IMPACT (Part 15) reached 95% full at 0510z for 4.5 hours.

PLASTIC (Part 17) reached 95% full at 0302z for 6.6 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- The average daily SSR playback volume for Ahead was 2.5 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 020, during the DSS-26 support, turbo decoder lock was lost briefly at 2242z and again at 0041z. These anomalies resulted in the loss of 2 frames of SSR data.
- On day 025, during the DSS-25 support, turbo decoder lock was lost briefly at 2035z. This anomaly resulted in the loss of 1 frame of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 020, the 59th momentum dump was executed successfully at 2300z, which imparted a delta v of 0.0695 m/sec.

- On day 023, the SSR science partitions filled as follows:
SWAVES (Part 13) reached 100% full at 2000z for 0.6 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 024, the SSR science partitions filled as follows:
SWAVES (Part 13) reached 100% full at 1147z for 9.6 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 025, the SSR science partitions filled as follows:
SWAVES (Part 13) reached 100% full at 0933z for 1 .6 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 026, the SSR science partitions filled as follows:
SWAVES (Part 13) reached 100% full at 1059z for 8.3 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- The average daily SSR playback volume for Behind was 2.4 Gbits during this week.